

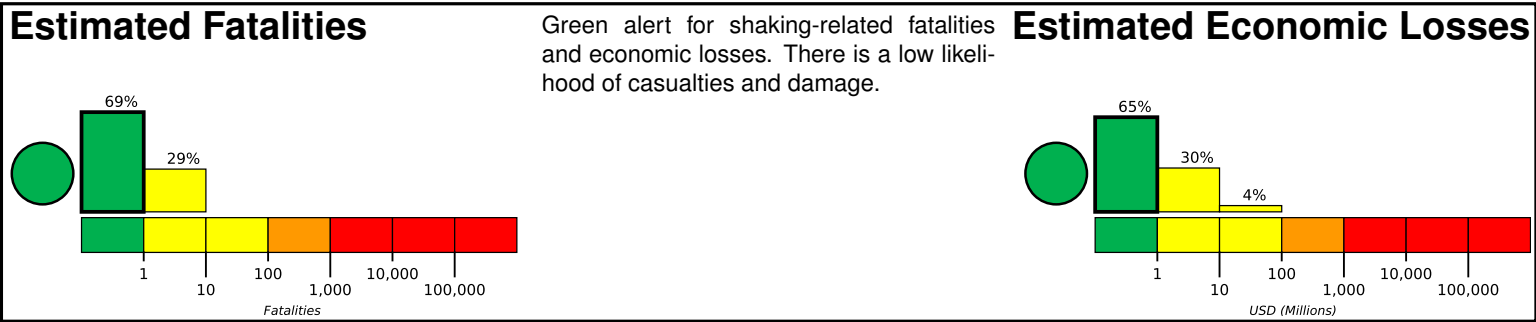
M 4.5, 8 km SE of Seldovia Village, Alaska

Origin Time: 2024-01-07 05:50:07 UTC (Sat 20:50:07 local)  
Location: 59.4019° N 151.5425° W Depth: 49.3 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 3 weeks, 0 days after earthquake

PAGER Version 4

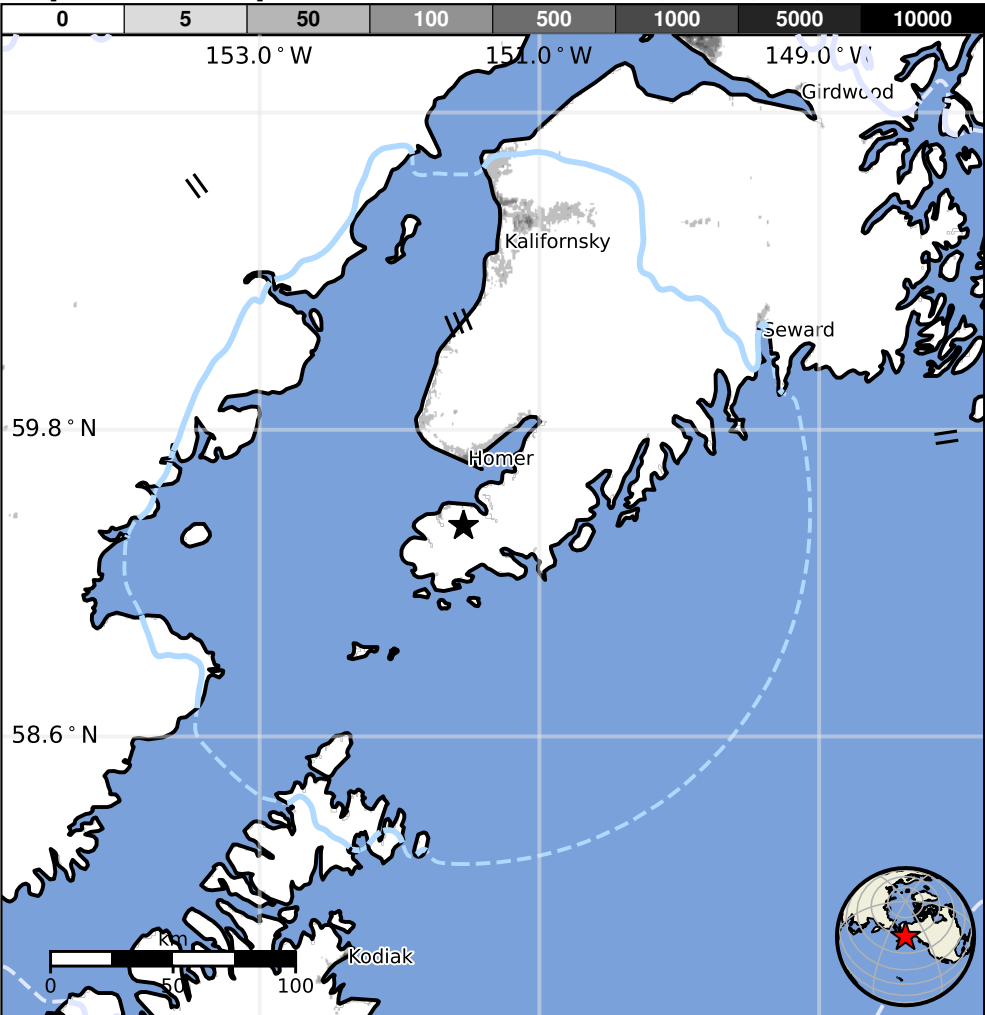


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	170k	1k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-06	286	7.0	V(13k)	—
1964-03-28	281	9.2	VIII(24k)	—
1964-03-28	281	9.2	VIII(24k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Fritz Creek	2k
III	Anchor Point	2k
III	Diamond Ridge	1k
III	Homer	5k
III	Cohoe	1k
III	Kalifornsky	8k
III	Soldotna	4k
III	Kenai	7k
III	Sterling	6k
III	Nikiski	4k
II	Kodiak	6k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/ak024bo1buk#pager>

bold cities appear on map.

(k = x1000)

Event ID: ak024bo1buk